

50					55					60					
Ile	Lys	Asn	Thr	Val	Asn	Val	Leu	Ala	Lys	Phe	Lys	Gly	Ile	Lys	Ser
65					70					75					80
Ile	Glu	Thr	Phe	Ala	Val	Thr	Ile	Cys	Glu	His	Phe	Leu	Ser	Ser	Phe
			85						90					95	
Lys	His	Val	Ile	Arg	Ala	Gln	Val	Tyr	Val	Glu	Glu	Val	Pro	Trp	Lys
			100					105					110		
Arg	Phe	Glu	Lys	Asn	Gly	Val	Lys	His	Val	His	Ala	Phe	Ile	Tyr	Thr
		115					120					125			
Pro	Thr	Gly	Thr	His	Phe	Cys	Glu	Val	Glu	Gln	Ile	Arg	Asn	Gly	Pro
		130				135					140				
Pro	Val	Ile	His	Ser	Gly	Ile	Lys	Asp	Leu	Lys	Val	Leu	Lys	Thr	Thr
145					150					155					160
Gln	Ser	Gly	Phe	Glu	Gly	Phe	Ile	Lys	Asp	Gln	Phe	Thr	Thr	Leu	Pro
			165						170					175	
Glu	Val	Lys	Asp	Arg	Cys	Phe	Ala	Thr	Gln	Val	Tyr	Cys	Lys	Trp	Arg
			180					185					190		
Tyr	His	Gln	Gly	Arg	Asp	Val	Asp	Phe	Glu	Ala	Thr	Trp	Asp	Thr	Val
		195					200					205			
Arg	Ser	Ile	Val	Leu	Gln	Lys	Phe	Ala	Gly	Pro	Tyr	Asp	Lys	Gly	Glu
		210				215					220				
Tyr	Ser	Pro	Ser	Val	Gln	Lys	Thr	Leu	Tyr	Asp	Ile	Gln	Val	Leu	Thr
225					230					235					240
Leu	Gly	Gln	Val	Pro	Glu	Ile	Glu	Asp	Met	Glu	Ile	Ser	Leu	Pro	Asn
			245						250					255	
Ile	His	Tyr	Leu	Asn	Ile	Asp	Met	Ser	Lys	Met	Gly	Leu	Ile	Asn	Lys
			260				265						270		
Glu	Glu	Val	Leu	Leu	Pro	Leu	Asp	Asn	Pro	Tyr	Gly	Lys	Ile	Thr	Gly
		275					280					285			
Thr	Val	Lys	Arg	Lys	Leu	Ser	Ser	Arg	Leu						
		290				295									

&lt;210&gt; 11

&lt;211&gt; 301

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:PKS carboxy truncated

&lt;400&gt; 11

Met	Ala	His	Tyr	Arg	Asn	Asp	Tyr	Lys	Lys	Asn	Asp	Glu	Val	Glu	Phe
1					5					10					15

Val	Arg	Thr	Gly	Tyr	Gly	Lys	Asp	Met	Ile	Lys	Val	Leu	His	Ile	Gln
			20					25					30		
Arg	Asp	Gly	Lys	Tyr	His	Ser	Ile	Lys	Glu	Val	Ala	Thr	Ser	Val	Gln
		35					40					45			
Leu	Thr	Leu	Ser	Ser	Lys	Lys	Asp	Tyr	Leu	His	Gly	Asp	Asn	Ser	Asp
	50					55					60				
Val	Ile	Pro	Thr	Asp	Thr	Ile	Lys	Asn	Thr	Val	Asn	Val	Leu	Ala	Lys
	65				70					75					80
Phe	Lys	Gly	Ile	Lys	Ser	Ile	Glu	Thr	Phe	Ala	Val	Thr	Ile	Cys	Glu
				85					90					95	
His	Phe	Leu	Ser	Ser	Phe	Lys	His	Val	Ile	Arg	Ala	Gln	Val	Tyr	Val
			100					105					110		
Glu	Glu	Val	Pro	Trp	Lys	Arg	Phe	Glu	Lys	Asn	Gly	Val	Lys	His	Val
		115					120					125			
His	Ala	Phe	Ile	Tyr	Thr	Pro	Thr	Gly	Thr	His	Phe	Cys	Glu	Val	Glu
	130					135					140				
Gln	Ile	Arg	Asn	Gly	Pro	Pro	Val	Ile	His	Ser	Gly	Ile	Lys	Asp	Leu
	145				150					155					160
Lys	Val	Leu	Lys	Thr	Thr	Gln	Ser	Gly	Phe	Glu	Gly	Phe	Ile	Lys	Asp
				165					170					175	
Gln	Phe	Thr	Thr	Leu	Pro	Glu	Val	Lys	Asp	Arg	Cys	Phe	Ala	Thr	Gln
			180					185					190		
Val	Tyr	Cys	Lys	Trp	Arg	Tyr	His	Gln	Gly	Arg	Asp	Val	Asp	Phe	Glu
		195					200					205			
Ala	Thr	Trp	Asp	Thr	Val	Arg	Ser	Ile	Val	Leu	Gln	Lys	Phe	Ala	Gly
	210					215					220				
Pro	Tyr	Asp	Lys	Gly	Glu	Tyr	Ser	Pro	Ser	Val	Gln	Lys	Thr	Leu	Tyr
	225				230					235				240	
Asp	Ile	Gln	Val	Leu	Thr	Leu	Gly	Gln	Val	Pro	Glu	Ile	Glu	Asp	Met
				245					250					255	
Glu	Ile	Ser	Leu	Pro	Asn	Ile	His	Tyr	Leu	Asn	Ile	Asp	Met	Ser	Lys
			260					265					270		
Met	Gly	Leu	Ile	Asn	Lys	Glu	Glu	Val	Leu	Leu	Pro	Leu	Asp	Asn	Pro
		275					280					285			
Tyr	Gly	Lys	Ile	Thr	Gly	Thr	Val	Lys	Arg	Lys	Leu	Ser			
	290					295					300				